FIG. 1 PRIOR ART

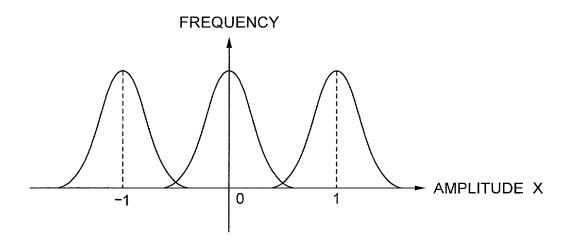


FIG. 2 PRIOR ART

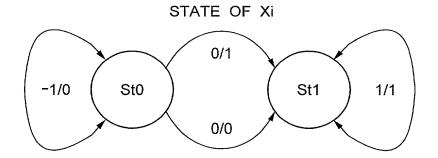


FIG. 3 PRIOR ART

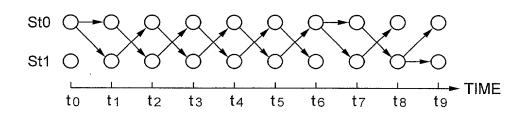


FIG. 4

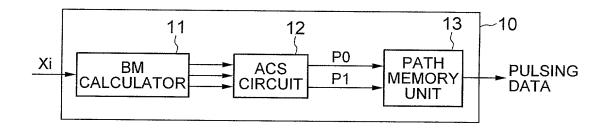


FIG. 5

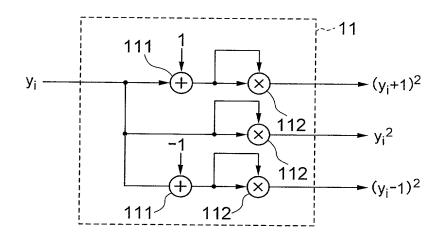


FIG. 6

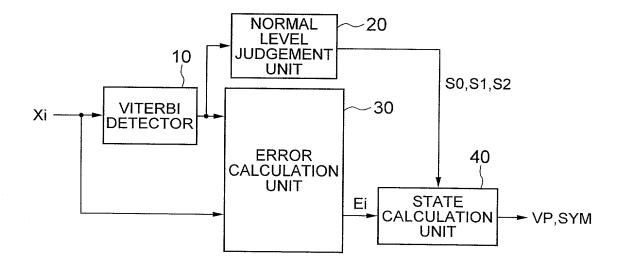


FIG. 7

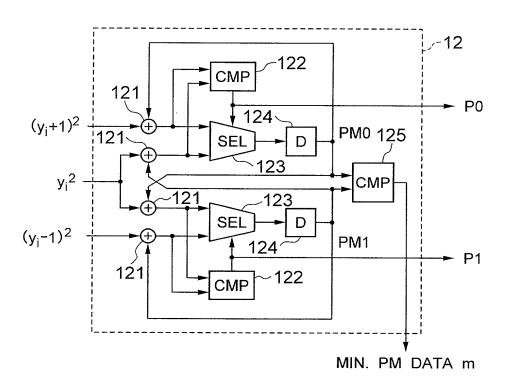


FIG. 8

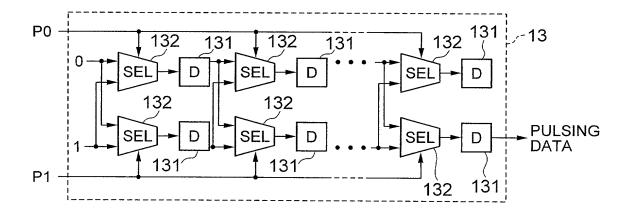


FIG. 9

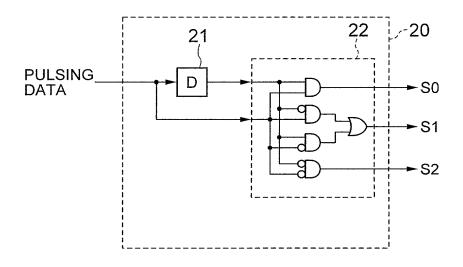


FIG. 10

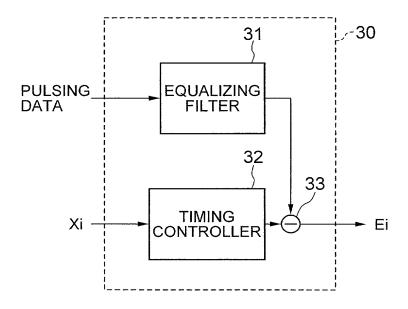


FIG. 11

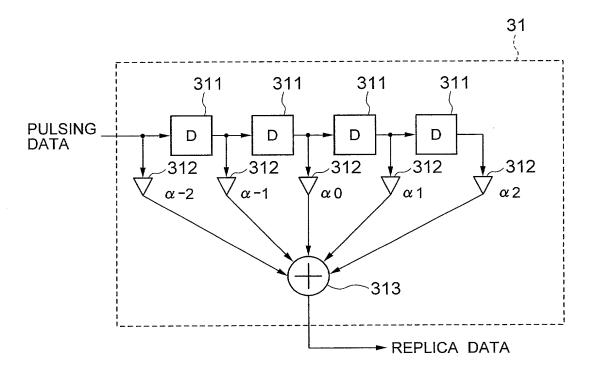


FIG. 12

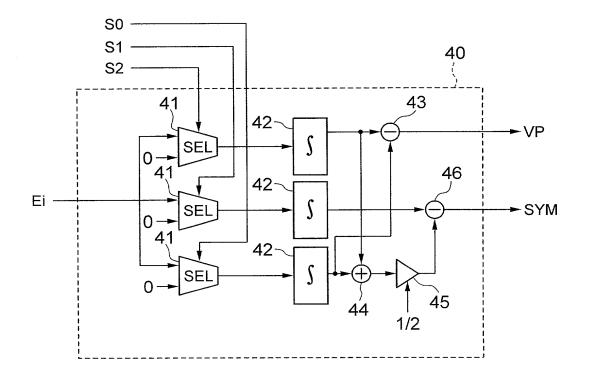


FIG. 13

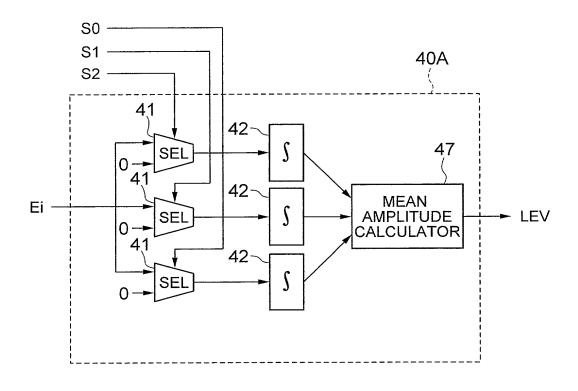


FIG. 14

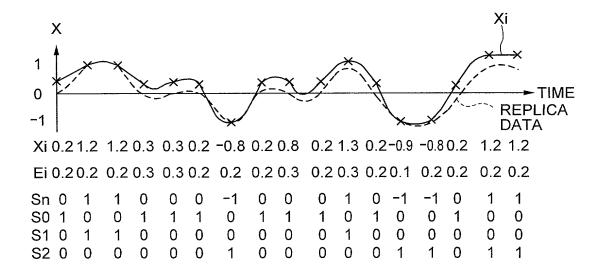


FIG. 15

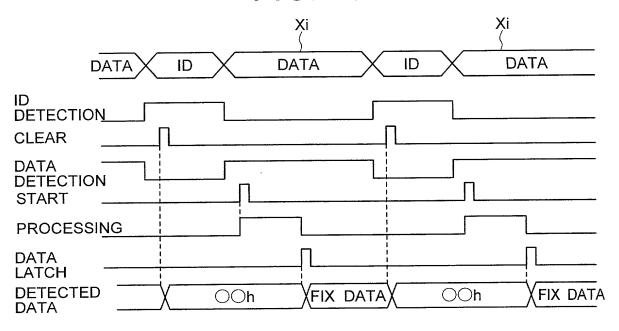


FIG. 16

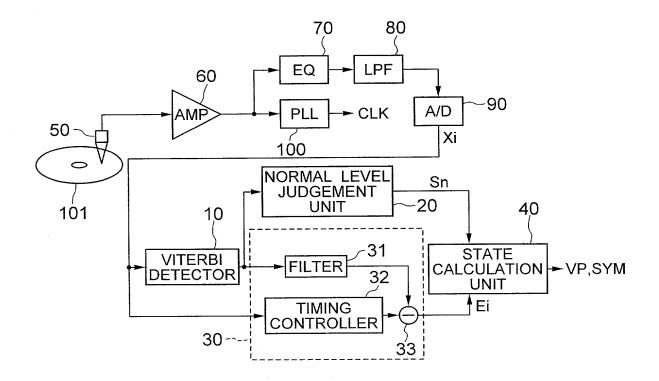


FIG. 17

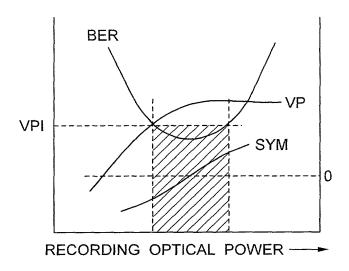


FIG. 18

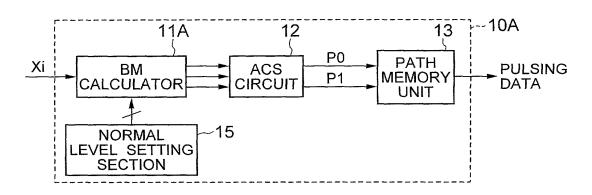
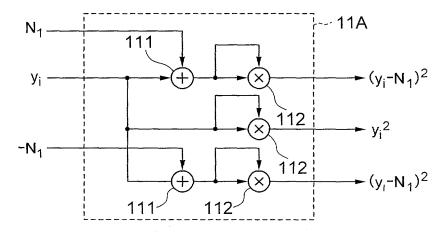


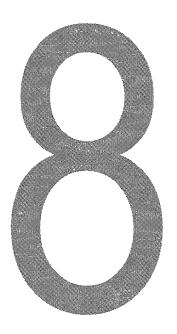
FIG. 19



UNITED STATES PATENT AND TRADEMARK OFFICE DOCUMENT CLASSIFICATION BARCODE SHEET



Oath/Declaration, Small Entity, and Power of Attorney



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

RECORDING STATE DETECTION SYSTEM FOR USE IN A DISK DRIVE

the specification of which (check one)

	•				Application Number
on		as amended on		•	
Federal R for patent disclosing	ent referred to above. I Regulation, §1.56. I her to rinventor's certificate	acknowledge the duty reby claim foreign prior te listed below and have imed in their applicatio	to disclose inform rity benefits under also identified be and having a fili	ation which is material to patent Title 35, United States Code, §1 low any foreign application for	ding the claims, as amended by any ability as defined in Title 37, Code 19/365 of any foreign application (spatent or inventor's certificate olication on which priority is claimed.
			Prior foreign A	pplication(s)	
Number		Coun	try	Day/Month/Year Filed	Priority Claimed
	-397828	Japa	an	27/12/2000	(X) Yes () No
Table of the state					() V () N-
					() Yes () No
					() Yes () No
States appinformation of the states apping the states apping to the states apping th	on which is material to on the prior application of the prior application	provided by the first pa patentability as defined n and the national or Po	aragraph of Title 3. I in Title 37, Code CT international fi	5, United States Code, §112, I ac of Federal Regulations, §1.56 w ling date of this application.	hich became available between the
(Applicat	ion Number)	Day/Month/Year Fi	iled	Status (Patented, Pending, Aband	doned)
prosecute	this application and to	transact all business in	the Patent and Tra	demark Office connected therev	
Address a	ll telephone calls to Do	onald W. Muirhead at to	elephone number (617) 951-6676. Address all corn	respondence to:
			Patent Group Hutchins, Wh 101 Federal S Boston, MA		
punishabl	o be true; and further the	nat these statements we ent, or both, under Sect	re made with the k ion 1001 of Title 1		ments and the like so made are that such willful false statements r
inventor's	signatureM	asaki hak	ano (\$)	Da	17/12/2001
Full name	of sole or first invento	r (given name, family r	_{name)} <u>Masaki</u>	NAKANO	
Residence	Tokyo,	Japan		Citi	zenship Japanese
ost Offic	e Address (include zip	code) C/O NEC C	orporation, Japan	7-1, Shiba 5-chome,	Minato-ku, Tokyo,
nventor's	signature	romi Iton	ma 🕄	Da	17/12/2001 te
'ull name	of second inventor (gi	ven name, family name) <u>Hiromi H</u> O	ONMA	
Residence	Tokyo	, Japan		Citi	zenship_Japanese
) and Office	e Address (include sin		··	7-1, Shiba 5-chome,	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)

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Residence Tokyo, Japan	Citizenship Japanese
Post Office Address (include zip code) $\frac{\text{c/o NEC Corporation, 7-1, Shiba 5-chool}}{108-8001 \text{ Japan}}$	
Inventor's signature	Date
Full name of fourth inventor (given name, family name)	
Residence	
Post Office Address (include zip code)	
grandia grandia	
Inventor's signature	Date
Full name of fifth inventor (given name, family name)	
Residence	Citizenship
Post Office Address (include zip code)	
Inventor's signature	Date
name of sixth inventor (given name, family name)	
Residence	Citizenship
Post Office Address (include zip code)	
Inventor's signature	
Full name of seventh inventor (given name, family name)	
	Citizenship
Post Office Address (include zip code)	
Inventor's signature	Date
Full name of eighth inventor (given name, family name)	
Residence	
Post Office Address (include zip code)	